

03500.015237.1



colc
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)	Examiner: Loha Ben
	:	
MIKIYA UMEYAMA, ET AL.)	Group Art Unit: 2873
	:	
Application No.: 10/629,864)	U.S. Patent No.: 6,975,466 B2
	:	
Filed: July 30, 2003)	Issued: December 13, 2005
	:	
For: LIQUID DISCHARGE RECORDING HEAD,))	August 1, 2006
LIQUID DISCHARGE RECORDING	:	
APPARATUS, AND METHOD FOR)	
MANUFACTURING LIQUID	:	
DISCHARGE HEAD)	

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

ATTENTION: CERTIFICATES OF CORRECTION BRANCH

Certificate
AUG 04 2006
of Correction

CERTIFICATE OF CORRECTION
UNDER RULES 322 AND 323

Sir:

It is respectfully requested that a Certificate of Correction be issued by the Patent and Trademark Office due to errors which appear in the printed patent as a result of Patent and Trademark Office mistakes, and mistakes of a clerical, typographical, or minor character, which were not the fault of the Patent and Trademark Office. A Certificate of Correction form, in duplicate, is enclosed.

08/02/2006 SDENB081 00000094 6975466

01 FC:1011


100.00 0P

AUG 07 2006

Accompanying this letter is a check for \$100.00 to cover the statutory fee for such Certificate of Correction.

Patentees' undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our address given below.

Respectfully submitted,



Jack S. Cubert
Attorney for Patentees
Registration No. 24,245

FITZPATRICK, CELLA, HARPER & SCINTO
30 Rockefeller Plaza
New York, New York 10112-3800
Facsimile: (212) 218-2200
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DC_MAIN 237333v1

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PRINTER'S TRIM LINE

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,975,466 B2

DATED : December 13, 2005

INVENTOR(S) : Mikiya Umeyama et al.

Page 1 of 9

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

ON THE COVER PAGE

At Item (56), Foreign Patent Documents, "JP 2000-098126 3/2000

JP 2000-098669 3/2000

JP 2000-098671 3/2000

JP 2000-098851 3/2000" should be deleted.

At Item (56), insert U.S. Patent Documents as follows:

--6,435,649 B2 08-2002 Takahashi et al. 347/33

5,798,775 08-1999 Takahashi et al. 347/33

6,217,146 B1 04-2001 Takahashi et al. 347/33

5,381,169 01-1995 Arai et al. 247/33--.

COLUMN 1

Line 66, "arranged" should read --is arranged--.

COLUMN 2

Line 43, "front" should read --the front--.

COLUMN 3

Line 1, "front" should read --the front--.

Line 8, "recovery" should read --the recovery--.

Line 16, "wiping" should read --the wiping--.

Line 17, "orifice" should read --the orifice--.

Line 21, "problem" should read --problems--.

Line 24, "where" should read --against which--.


Line 25, "against" should be deleted.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 3

Line 26, "highly" should read --a highly--.

Line 28, "accurately." should read --accurate.--.

Line 29, "where" should read --against which-- and "against" should be deleted.

Line 55, "orifice" should read --the orifice--.

Line 61, "blade" should read --the blade--.

Line 64, "collected" should read --which are collected--.

Line 67, "orifice" should read --the orifice--.

COLUMN 4

Line 3, "orifice" should read --the orifice-- and "rubbed" should read --rubbed against--.

Line 13, "orifice" should read --the orifice-- and "rubbed" should read --rubbed against--.

Line 35, "two face" should read --two faces--.

Line 36, "orifice" should read --the orifice--.

Line 38, "orifice" should read --the orifice--.

Line 44, "front" should read --the front--.

Line 52, "using" should read --using a--.

Line 54, "orifice" should read --the orifice--.

Line 62, "designing" should read --designing the--.

COLUMN 5

Line 31, "extend" should read --extended--.

Line 59, "perspective" should read --a perspective--.

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COLUMN 6

Line 41, "enlarge" should read --enlarged--.

COLUMN 7

Line 3, "illustrate" should read --illustrates--.

Line 36, "on example" should read --an example--.

Line 62, "Views" should read --views--.

COLUMN 8

Line 28, "perspective" should read --perspective view--.

Line 29, "twentieth" should read --a twentieth--.

Line 34, "the twenty-first" should read --a twenty-first--.

Line 37, "the twenty-" should read --a twenty--.

COLUMN 9

Line 33, "front plat" should read --front plate--.

Line 46, "present" should read --the present--.

Line 50, "recording read" should read --recording head--.

Line 53, "a room" should read --room--.

Line 55, "folding lines 111a" should read --folding lines 101a--.

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COLUMN 10

Line 35, "surface 110d" should read --surface 101d--.

Line 39, "surface 110d" should read --surface 101d--.

Line 58, "folded portion 110a," should read --folded portion 101a,--.

Line 66, "111a," should read --101a,--.

COLUMN 11

Line 5, "surface 110d" should read --surface 101d-- and "orifice" should read --the orifice--.

Line 14, "fixe" should read --fix--.

Line 42, "portion 110d" should read --portion 101d--.

Line 46, "portion 110d" should read --portion 101d--.

Line 55, "surface 110d" should read --surface 101d--.

Line 56, "surface 110d" should read --surface 101d--.

Line 58, "front 110d" should read --front surface 101d--.

Line 61, "surface 110d" should read --surface 101d--.

COLUMN 12

Line 34, "reduce" should read --further reduce--.

Line 35, "products more." should read --products.--.

Line 61, "cost down." should read --lower cost.--.

COLUMN 13

Line 12, "harding" should read --hardening--.

Line 35, "a" (second occurrence) should read --an--.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 15

Line 29, "nozzles 7 each other," should read --nozzles 7,--.

COLUMN 17

Line 15, "fort" should read --front--.

Line 45, "distanc" should read --distance--.

Line 51, "produce" should read --produces--.

COLUMN 19

Line 62, "provide" should read --provided--.

COLUMN 20

Line 45, "becomes" should read --become--.

Line 62, "neccessities" should read --necessitates--.

COLUMN 21

Line 4, "form" should read --from--.

COLUMN 22

Line 58, "polypropylene" should read --polypropylene. ¶--.

COLUMN 23

Line 6, "plat" should read --plate--.

Line 55, "at" should be deleted.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 25

Line 19, "for" should be deleted.

COLUMN 26

Line 30, "face" should read --faces--.

COLUMN 27

Line 63, "δ" should read --of the--.

COLUMN 29

Line 9, "embodiment." should read --embodiments.--.

COLUMN 30

Line 50, --form-- should read --from--.

COLUMN 32

Line 3, "curves" should read --curved--.

Line 28, "fixe" should read --fix.--.

COLUMN 33

Line 3, "close" should read --closes--.

Line 11, "highly" should read --for high--.

Line 56, "it" should read --It--.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 34

Line 52, "wight" should read --weight--.

COLUMN 35

Line 36, "easier to be bent." should read --is easier to bend.--.

COLUMN 36

Line 17, "represent" should read --represented--.

Line 44, "necessary" should read --necessarily--.

COLUMN 37

Line 30, "put down" should read --reduce--.

Line 34, "to" should be deleted.

Line 60, "nozzl s" should read --nozzles--.

COLUMN 38

Line 23, "greater." should read --further.--.

COLUMN 39

Line 49, "fording" should read --folding--.

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Page 8 of 9

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 42

Line 33, "pate" should read --plate--.

Line 59, "form" should read --from--.

COLUMN 43

Line 31, "wide" should read --width--.

Line 37, "advanc" should read --advance--.

Line 48, "rut" should read --rub--.

COLUMN 44

Line 21, "operation" should read --operations--.

COLUMN 45

Line 45, "curve" should read --a curve--.

COLUMN 46

Line 18, "gives damages to" should read --damages--.

Line 36, "to be" should be deleted.

COLUMN 47

Line 19, "is" should be deleted.

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Page 9 of 9

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 48

Line 42, "extrusion" should read --extrusions--.

COLUMN 49

Line 12, "check" should read --to check--.

Line 22, "exist" should read --exists--.

COLUMN 50

Line 50, "plated" should read --plate--.

COLUMN 51


Line 39, "liquid the" should read --liquid of the--.

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MANUFACTURING LIQUID	:	
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**CERTIFICATE OF CORRECTION
UNDER RULES 322 AND 323**

Sir:

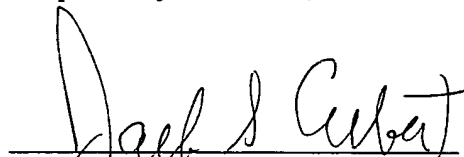
It is respectfully requested that a Certificate of Correction be issued by the Patent and Trademark Office due to errors which appear in the printed patent as a result of Patent and Trademark Office mistakes, and mistakes of a clerical, typographical, or minor character, which were not the fault of the Patent and Trademark Office. A Certificate of Correction form, in duplicate, is enclosed.

AUG 07 2006

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Patentees' undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our address given below.

Respectfully submitted,

A handwritten signature in black ink, reading "Jack S. Cubert", written over a horizontal line.

Jack S. Cubert
Attorney for Patentees
Registration No. 24,245

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COLUMN 1

Line 66, "arranged" should read --is arranged--.

COLUMN 2

Line 43, "front" should read --the front--.

COLUMN 3

Line 1, "front" should read --the front--.

Line 8, "recovery" should read --the recovery--.

Line 16, "wiping" should read --the wiping--.

Line 17, "orifice" should read --the orifice--.

Line 21, "problem" should read --problems--.

Line 24, "where" should read --against which--.

Line 25, "against" should be deleted.

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Line 28, "accurately." should read --accurate.--.

Line 29, "where" should read --against which-- and "against" should be deleted.

Line 55, "orifice" should read --the orifice--.

Line 61, "blade" should read --the blade--.

Line 64, "collected" should read --which are collected--.

Line 67, "orifice" should read --the orifice--.

COLUMN 4

Line 3, "orifice" should read --the orifice-- and "rubbed" should read --rubbed against--.

Line 13, "orifice" should read --the orifice-- and "rubbed" should read --rubbed against--.

Line 35, "two face" should read --two faces--.

Line 36, "orifice" should read --the orifice--.

Line 38, "orifice" should read --the orifice--.

Line 44, "front" should read --the front--.

Line 52, "using" should read --using a--.

Line 54, "orifice" should read --the orifice--.

Line 62, "designing" should read --designing the--.

COLUMN 5

Line 31, "extend" should read --extended--.

Line 59, "perspective" should read --a perspective--.

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COLUMN 7

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Line 36, "on example" should read --an example--.

Line 62, "Views" should read --views--.

COLUMN 8

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Line 29, "twentieth" should read --a twentieth--.

Line 34, "the twenty-first" should read --a twenty-first--.

Line 37, "the twenty-" should read --a twenty--.

COLUMN 9

Line 33, "front plat" should read --front plate--.

Line 46, "present" should read --the present--.

Line 50, "recording read" should read --recording head--.

Line 53, "a room" should read --room--.

Line 55, "folding lines 111a" should read --folding lines 101a--.

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Line 35, "surface 110d" should read --surface 101d--.

Line 39, "surface 110d" should read --surface 101d--.

Line 58, "folded portion 110a," should read --folded portion 101a,--.

Line 66, "111a," should read --101a,--.

COLUMN 11

Line 5, "surface 110d" should read --surface 101d-- and "orifice" should read --the orifice--.

Line 14, "fixe" should read --fix--.

Line 42, "portion 110d" should read --portion 101d--.

Line 46, "portion 110d" should read --portion 101d--.

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Line 56, "surface 110d" should read --surface 101d--.

Line 58, "front 110d" should read --front surface 101d--.

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COLUMN 12

Line 34, "reduce" should read --further reduce--.

Line 35, "products more." should read --products.--.

Line 61, "cost down." should read --lower cost.--.

COLUMN 13

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Line 35, "a" (second occurrence) should read --an--.

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Line 29, "nozzles 7 each other," should read --nozzles 7,--.

COLUMN 17

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Line 51, "produce" should read --produces--.

COLUMN 19

Line 62, "provide" should read --provided--.

COLUMN 20

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Line 62, "neccessities" should read --necessitates--.

COLUMN 21

Line 4, "form" should read --from--.

COLUMN 22

Line 58, "polypropylene" should read --polypropylene. ¶--.

COLUMN 23

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CERTIFICATE OF CORRECTION

PATENT NO. : 6,975,466 B2

DATED : December 13, 2005

INVENTOR(S) : Mikiya Umeyama et al.

Page 6 of 9

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 25

Line 19, "for" should be deleted.

COLUMN 26

Line 30, "face" should read --faces--.

COLUMN 27

Line 63, "δ" should read --of the--.

COLUMN 29

Line 9, "embodiment." should read --embodiments.--.

COLUMN 30

Line 50, --form-- should read --from--.

COLUMN 32

Line 3, "curves" should read --curved--.

Line 28, "fixe" should read --fix.--.

COLUMN 33

Line 3, "close" should read --closes--.

Line 11, "highly" should read --for high--.

Line 56, "it" should read --It--.

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Page 7 of 9

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 34

Line 52, "wight" should read --weight--.

COLUMN 35

Line 36, "easier to be bent." should read --is easier to bend.--.

COLUMN 36

Line 17, "represent" should read --represented--.

Line 44, "necessary" should read --necessarily--.

COLUMN 37

Line 30, "put down" should read --reduce--.

Line 34, "to" should be deleted.

Line 60, "nozzl s" should read --nozzles--.

COLUMN 38

Line 23, "greater." should read --further.--.

COLUMN 39

Line 49, "fording" should read --folding--.

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Page 8 of 9

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 42

Line 33, "pate" should read --plate--.

Line 59, "form" should read --from--.

COLUMN 43

Line 31, "wide" should read --width--.

Line 37, "advanc" should read --advance--.

Line 48, "rut" should read --rub--.

COLUMN 44

Line 21, "operation" should read --operations--.

COLUMN 45

Line 45, "curve" should read --a curve--.

COLUMN 46

Line 18, "gives damages to" should read --damages--.

Line 36, "to be" should be deleted.

COLUMN 47

Line 19, "is" should be deleted.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 48

Line 42, "extrusion" should read --extrusions--.

COLUMN 49

Line 12, "check" should read --to check--.

Line 22, "exist" should read --exists--.

COLUMN 50

Line 50, "plated" should read --plate--.

COLUMN 51

Line 39, "liquid the" should read --liquid of the--.

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